

Remarks

Claims 1-17, 19, 20, 22-25, 27 and 28 are pending in this application. Claim 21 is canceled herein. Claims 1, 4, 5, 8-11, 13, 16, 17, 22-24, and 28 are amended herein to address the examiner's rejections under 35 U.S.C. §112, first paragraph, and to correct other deficiencies discussed below. Applicants also have filed herewith a Request for Continued Examination and the appropriate fee under 37 CFR §1.17(e).

The negative limitation in the independent claims has been deleted; the language "at least about" has been deleted; and the range of solvents from "about 50%" has been changed to "about 60%." These amendments are believed to traverse the related rejections under 35 U.S.C. §112, first paragraph.

The examiner also rejected claims 11, 17, and 24 which recited a lipophilic polar solvent having a dielectric constant greater than 25 as having "no support." Applicants respectfully disagree, and include herewith a Dielectric Constants Chart from ASI Instruments, Inc. that lists the dielectric constant for isopropyl alcohol as 18.3. Isopropanol was listed as a suitable lipophilic polar solvent at p.7, line 19 of the application. Therefore, dielectric constants as low as 18.3 are inherent in the listing of isopropanol and are supported by the original disclosure. Further, the specification at p. 23, lines 14 to 21 supports claims that distinguish between dielectric constants of 25 as relatively high and low. Therefore, the specification supports these claims and no amendment is believed to be necessary.

Applicants have also amended: Claims 1, 4 and 8 to include a secondary solvent (support at p. 7, lines 7 to 9 and p. 7, lines 19 to 20, for example); claims 5 and 13 to recite a fatty acid mixture comprising about 55% by weight of a C₈ fatty acid and about 40% by weight of a C₁₀ fatty acid (support at p. 7, lines 4 to 7, for example); claims 9, 15, 22, and 23 for compliance with

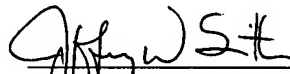
Applicant: Dee et al.
Application No.: 10/786,209

the antecedent basis is their respective dependent claims; claims 16, 17, and 28 to delete a reference to C₇ fatty acids; and claims 19 and 25 to delete isopropanol from the list of recited lipophilic polar solvents because isopropanol is outside of the range recited in their respective independent claims. Therefore, the claims traverse the rejections under 35 U.S.C. §112, first paragraph and are believed to be in condition for allowance.

Conclusion

For the foregoing reasons, Applicants respectfully submit that the remaining amended claims are in condition for allowance and that this case be passed to issue.

Respectfully submitted,



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HOW TO USE THIS GUIDE:

The following Dielectric Constants are given at specific temperatures. If your product's temperature is significantly different from those listed there is a good chance that the Dielectric Constant may be different from the values listed.

The products in this reference are listed in alphabetical order and are grouped in sections by the first letter of their name. Proper chemical names were used. If you know the correct spelling of the name of the product you wish to review then use the "FIND" feature on the web browser to locate the name in the list. You may also click on the letter from the alphabetical table to go directly to the beginning of that alphabetic section.

Dielectric Constants Chart

Section A	
A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC	
ABS RESIN, LUMP 2.4-4.1 ABS RESIN, PELLET 1.5-2.5 ACENAPHTHENE (70° F) 3.0 ACETAL (70° F) 3.6 ACETAL BROMIDE 16.5 ACETAL DOXIME (68° F) 3.4 ACETALDEHYDE (41° F) 21.8 ACETAMIDE (68° F) 41 ACETAMIDE (180° F) 59.0 ACETANILIDE (71° F) 2.9 ACETIC ACID (68° F) 6.2 ACETIC ACID (36° F) 4.1 ACETIC ANHYDRIDE (66° F) 21.0 ACETONE (77° F) 20.7 ACETONE (127° F) 17.7 ACETONE (32° F) 1.0159 ACETONITRILE (70° F) 37.5 ACETOPHENONE (75° F) 17.3 ACETOXIME (24° F) 3 ACETYL ACETONE (68° F) 23.1 ACETYL BROMIDE (68° F) 16.5 ACETYL CHLORIDE (68° F) 15.8 ACETYLE ACETONE (68° F) 25.0 ACETYLENE (32° F) 1.0217 ACETYLMETHYL HEXYL KETONE (66° F) 27.9 ACRYLIC RESIN 2.7 - 4.5 ACTEAL 21.0-3.6 AIR 1 AIR (DRY) (68° F) 1.000536 ALCOHOL, INDUSTRIAL 16-31 ALKYD RESIN 3.5-5 ALLYL ALCOHOL (58° F) 22.0 ALLYL BROMIDE (66° F) 7.0 ALLYL CHLORIDE (68° F) 8.2 ALLYL IODIDE (66° F) 6.1 ALLYL ISOTHIOCYANATE (64° F) 17.2 ALLYL RESIN (CAST) 3.6 - 4.5 ALUMINA 9.3-11.5 ALUMINA 4.5 ALUMINA CHINA 3.1-3.9 ALUMINUM BROMIDE (212° F) 3.4 ALUMINUM FLUORIDE 2.2 ALUMINUM HYDROXIDE 2.2 ALUMINUM OLEATE (68° F) 2.4 ALUMINUM PHOSPHATE 6.0 ALUMINUM POWDER 1.6-1.8 AMBER 2.8-2.9 AMINOALKYD RESIN 3.9-4.2 AMMONIA (-74° F) 25 AMMONIA (-30° F) 22.0 AMMONIA (40° F) 18.9	AMMONIA (69° F) 16.5 AMMONIA (GAS?) (32° F) .0072 AMMONIUM BROMIDE 7.2 AMMONIUM CHLORIDE 7.0 AMYL ACETATE (68° F) 5.0 AMYL ALCOHOL (-180° F) 35.5 AMYL ALCOHOL (68° F) 15.8 AMYL ALCOHOL (140° F) 11.2 AMYL BENZOATE (68° F) 5.1 AMYL BROMIDE (50° F) 6.3 AMYL CHLORIDE (52° F) 6.6 AMYL ETHER (60° F) 3.1 AMYL FORMATE (66° F) 5.7 AMYL IODIDE (62° F) 6.9 AMYL NITRATE (62° F) 9.1 AMYL THIOCYANATE (68° F) 17.4 AMYLAMINE (72° F) 4.6 AMYLENE (70° F) 2.0 AMYLENE BROMIDE (58° F) 5.6 AMYLENETETRABROMOXYLATE (66° F) 4.4 AMYLMERCAPTAN (68° F) 4.7 ANILINE (32° F) 7.8 ANILINE (68° F) 7.3 ANILINE (212° F) 5.5 ANILINE FORMALDEHYDE RESIN 3.5 - 3.6 ANILINE RESIN 3.4-3.8 ANISALDEHYDE (68° F) 15.8 ANISALDOXINE (145° F) 9.2 ANISOLE (68° F) 4.3 ANITMONY TRICHLORIDE 5.3 ANTIMONY PENTACHLORIDE (68° F) 3.2 ANTIMONY TRIBROMIDE (212° F) 20.9 ANTIMONY TRICHLORIDE (166° F) 33.0 ANTIMONY TRICHLORIDE 5.3 ANTIMONY TRICODIDE (347° F) 13.9 APATITE 7.4 ARGON (-376° F) 1.5 ARGON (68° F) 1.000513 ARSENIC TRIBROMIDE (98° F) 9.0 ARSENIC TRICHLORIDE (150° F) 7.0 ARSENIC TRICHLORIDE (70° F) 12.4 ARSENIC TRIIODIDE (302° F) 7.0 ARSINE (-148° F) 2.5 ASBESTOS 3.0 - 4.8 ASH (FLY) 1.7 - 2.0 ASPHALT (75° F) 2.6 ASPHALT, LIQUID 2.5-3.2 AZOXYANISOLE (122° F) 2.3 AZOXYBENZENE (104° F) 5.1 AZOXYPHENITOLE (302° F) 6.8
Section B	
A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC	
BAKELITE 3.5-5.0 BALLAST 5.4-5.6	BROMACEYAL BROMIDE 12.6 BROMAL (70° F) 7.6

ISO BUTYL ALCOHOL 18.7-31.7	ISOBUTYL FORMATE (66° F) 6.5
ISO BUTYL IODIDE 5.8	ISOBUTYL IODIDE (68° F) 5.8
ISO BUTYL NITRATE 11.9	ISOBUTYL NITRATE (66° F) 11.9
ISO BUTYLAMINE 4.5	ISOBUTYL RININOLEATE (70° F) 4.7
ISO BUTYRIC ACID 2.7	ISOBUTYL VALERATE (66° F) 3.8
ISO BUTYRONITRILE 20.8	ISOBUTYLAMINE (70° F) 4.5
ISO VALERIC ACID (68° F) 2.6	ISOBUTYLBENZENE (62° F) 2.3
ISO-BUTYL ALCOHOL (-112° F) 31.7	ISOBUTYLBENZOATE (68° F) 5.9
ISO-BUTYL ALCOHOL (32° F) 20.5	ISOBUTYLENE BROMIDE (68° F) 4.0
ISO-BUTYL ALCOHOL (68° F) 18.7	ISOBUTYRIC ACID (68° F) 2.6
ISO-BUTYL IODIDE (68° F) 5.8	ISOBUTYRIC ACID (122° F) 2.7
ISO-BUTYL NITRATE (66° F) 11.9	ISOBUTYRIC ANHYDRIDE (68° F) 13.9
ISO-BUTYLACETATE (68° F) 5.6	ISOBUTYRONITRILE (77° F) 20.8
ISO-BUTYLAMINE (70° F) 4.5	ISOCAPRONITRILE (68° F) 15.7
ISO-BUTYRIC ACID (68° F) 2.7	ISOCTANE 2.1-2.3
ISO-BUTYRONITRILE 23.9- 20.8	ISOPHTHALIC ACID 1.4
ISO-BUTYRONITRILE (75° F) 20.8	ISOPRENE (77° F) 2.1
ISO-ODOHEXADECANE 3.5	ISOPROPYL ALCOHOL 11.3
ISO-PROPYL ALCOHOL (68° F) 18.3	ISOPROPYL ALCOHOL (118° F) 2.4
ISO-PROPYL NITRATE (66° F) 11.5	ISOPROPYL BENZENE (68° F) 2.4
ISO-VALERIC ACID (68° F) 2.7	ISOPROPYL NITRATE 11.5
ISOAMYL VALERATE (19° F) 3.6	ISOPROPYLAMINE (68° F) 5.5
ISOAMYL ACETATE (68° F) 5.6	ISOPROPYLETHYR (77° F) 3.9
ISOAMYL ALCOHOL (74° F) 15.3	ISOQUINOLINE (76° F) 10.7
	ISOSAFROL (70° F) 3.4

Section J

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

JET FUEL (JP4) (70° F) 1.7
JET FUEL (MILITARY JP4) 1.7

Section K

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

KENT WAX 6.5-7.5
KEROSENE (70° F) 1.8
KYMAR 2.0

Section L

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

LACTIC ACID (61° F) 22.0	LEAD TETRACHLORIDE (68° F) 2.8
LACTRONITRILE (68° F) 38.4	LIME 2.2 - 2.5
LAD OXIDE 25.9	LIMONENE (68° F) 2.3
LEAD ACETATE 2.5	LINDE 5A MOLECULAR SIEVE, DRY 1.8
LEAD CARBONATE (60° F) 18.1	LINOLEIC ACID (32° F) 2.6 - 2.9
LEAD CHLORIDE 4.2	LINSEED OIL 3.2-3.5
LEAD NITRATE 37.7	LIQUIFIED AIR 1.5
LEAD NOMOXIDE (60° F) 25.9	LIQUIFIED HYDROGEN 1.2
LEAD OLEATE (64° F) 3.2	LITHIUM CHLORIDE 11.1
LEAD OXIDE 25.9	LONONE (65° F) 10.0
LEAD SULFATE 14.3	LPG 1.6-1.9
LEAD SULFITE 17.9	

Section M

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

m-BROMOANILINE (66° F) 13.0	METHYL ALCOHOL (-112° F) 56.6
m-BROMOTOLUENE (137° F) 5.4	METHYL ALCOHOL (32° F) 37.5
m-CHLOROANALINE (66° F) 13.4	METHYL ALCOHOL (68° F) 33.1
m-CHLOROTOLUENE (68° F) 5.6	METHYL BENZOATE (68° F) 6.6
m-CREOSOL 5	METHYL BUTANE (68° F) 1.8
p-CRESOL (24° F) 5.0	METHYL BUTYL KETONE (62° F) 12.4
o-CRESOL (77° F) 11.5	METHYL BUTYRATE (68° F) 5.6
m-DICHLOROBENZENE (77° F) 5.0	METHYL CHLORIDE (77° F) 12.9
m-DINITRO BENZENE (68° F) 2.8	METHYL CHLOROACETATE (68° F) 12.9
m-NITROTOLUENE (68° F) 23.8	METHYL ETHER (78° F) 5.0
m-SYLENE 2.4	METHYL ETHYL KETONE (72° F) 18.4
m-TOLUIDINE (64° F) 6.0	METHYL ETHYL KETOXIME (68° F) 3.4
m-XYLENE (68° F) 2.4	METHYL FORMATE (68° F) 8.5
MAGANESE DIOXIDE 5-5.2	METHYL HEPTANOL (68° F) 5.3
MAGNESIUM OXIDE 9.7	METHYL IODIDE (68° F) 7.1
MAGNESIUM SULFATE 8.2	METHYL KEXYL KETONE (62° F) 10.7